

Converting Colors

`RYB(51, 68, 200)`

Have a look what the booklet for
RYB(51, 68, 200) contains.

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Color

R_YB(51, 68, 200)

Conversions

Conversions Part 1

Format	Color
Hex	3346C8
RGB	51, 70, 200
RGB Percent	20%, 27%, 78%
CMY	0.8000, 0.7247, 0.2157
CMYK	0.75, 0.65, 0.00, 0.22
HSL	232°, 59%, 49%
HSV	232°, 74%, 78%
XYZ	13.9926, 9.2780, 55.6969
YIQ	79.1390, -53.0540, 36.4020

Conversions

Conversions Part 2

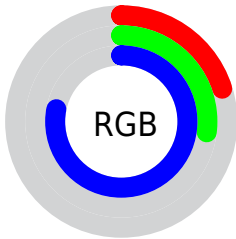
Format	Color
R_{YB}	51, 68, 200
Decimal	3360456
CIE _{Lab}	36.51, 37.66, -69.41
CIE _{LCh}	37, 78.967, 298.482
Yxy	9.2780, 0.1772, 0.1175
Android (android.graphics.Color)	4281550536 (0xFF3346C8)
YUV	79.1390, 59.5845, -24.6779
Hunter-Lab	30.4598, 28.6945, -87.0922

Details

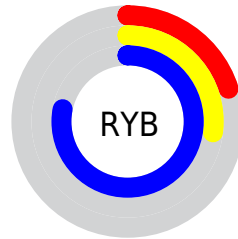
The RYB color **51, 68, 200** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **73, 200, 51**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **119, 118, 255**, and **0, 23, 145** is the 20% darker color. If you saturate the color by 10%, you get **31, 50, 200**, and if you desaturate by 10%, it is **71, 86, 200**.

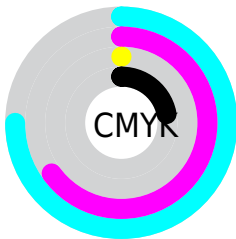
Distribution



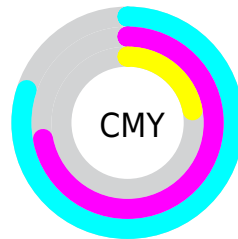
- Red (20%)
- Green (27%)
- Blue (78%)



- Red (20%)
- Yellow (27%)
- Blue (78%)



- Cyan (75%)
- Magenta (65%)
- Yellow (0%)
- Black (22%)



- Cyan (80%)
- Magenta (72%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 68, 200 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 51, 68, 200 by changing the saturation by 10% instead.

■ 51, 68, 200

■ 51, 68, 200

255, 255, 255

■ 0, 38, 172

■ 119, 119, 255

■ 0, 23, 145

■ 149, 144, 255

■ 0, 8, 118

■ 180, 171, 255

■ 0, 0, 93

■ 210, 198, 255

■ 0, 6, 68

■ 240, 226, 255

■ 0, 3, 45

■ 0, 1, 23

■ 0, 0, 0

■ 51, 68, 200

■ 51, 68, 200

■ 31, 50, 200

■ 71, 86, 200

■ 11, 32, 200

■ 91, 103, 200

■ 0, 23, 200

■ 111, 121, 200

■ 131, 139, 200

■ 151, 156, 200

■ 171, 175, 200

■ 191, 192, 200

■ 201, 211, 200

■ 205, 231, 200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 67, 216



51, 68, 200



155, 1, 154

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51, 68, 200



155, 76, 0



0, 63, 109

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 68, 200



73, 200, 51

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 106, 106



51, 68, 200



33, 108, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51, 68, 200



185, 0, 30



0, 99, 57



0, 63, 146

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 68, 200



182, 0, 113



0, 99, 57



0, 71, 109

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 68, 200



199, 205, 255



51, 131, 200



94, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 68, 200



28, 54, 255



106, 51, 200



90, 91, 99



0, 19, 163



0, 4, 36

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



200, 51, 70



255, 28, 57



51, 200, 106



99, 90, 91



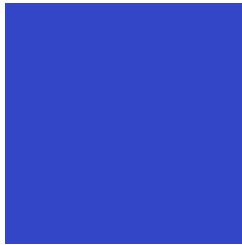
163, 0, 21



36, 0, 5

Previews

White Background



This preview shows how the RYB color 51, 68, 200 looks on a white background.

Color Contrast Check

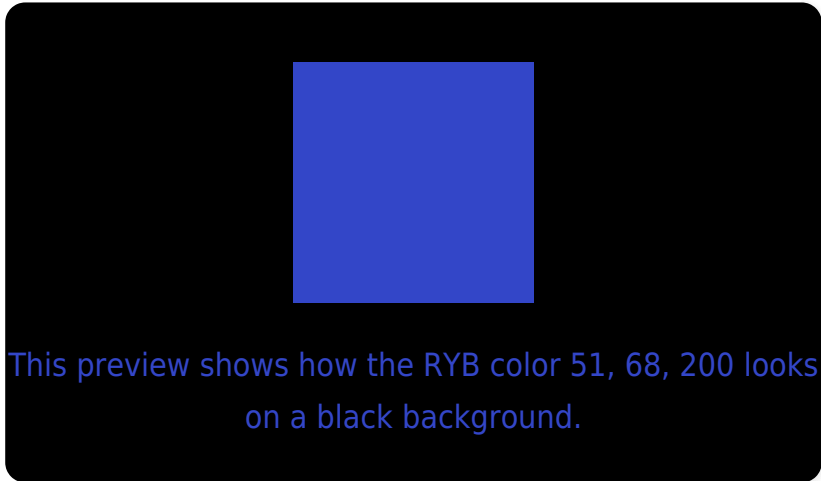
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

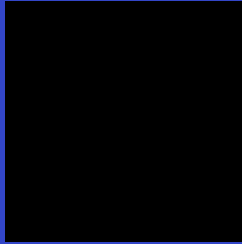
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 51, 68, 200 Background



This preview shows how black text looks on a background with the R Y B color 51, 68, 200.

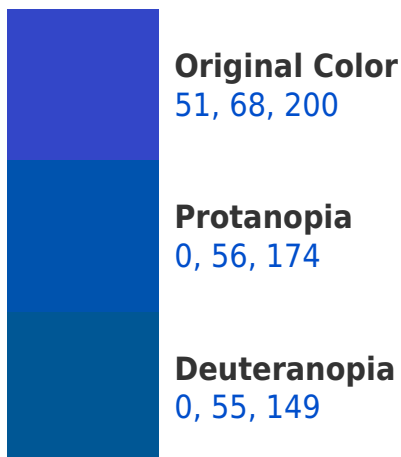


This preview shows how white text looks on a background with the R Y B color 51, 68, 200.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
0, 49, 101

Trichromacy



Original Color

51, 68, 200

Protanomaly

19, 62, 183

Deuteranomaly

19, 63, 168

Tritanomaly

19, 62, 137

Monochromacy



Original Color

51, 68, 200

Achromatopsia

79, 79, 79

Achromatomaly

69, 75, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 68, 200 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 70, 200)` looks like.

```
.text, #text, p{  
    color:rgb(51, 70, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 70, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 70, 200) }
```

Border

The CSS property to change the border of an element to RYB 51, 68, 200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 70, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 70, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 70, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 70, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 70, 200);  
box-shadow:4px 4px 4px 4px rgb(51, 70,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 51, 68, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 70, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 70,  
200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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